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**FITC-labeled Anti-SAP**  
(FITC-labeled Antibody to Saporin)  
**FLUORESCENT CONJUGATE**

**Catalog Number:** FL-02  
**Quantity:** 25 micrograms, 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Goat  
**Isotype:** IgG

**Background:**

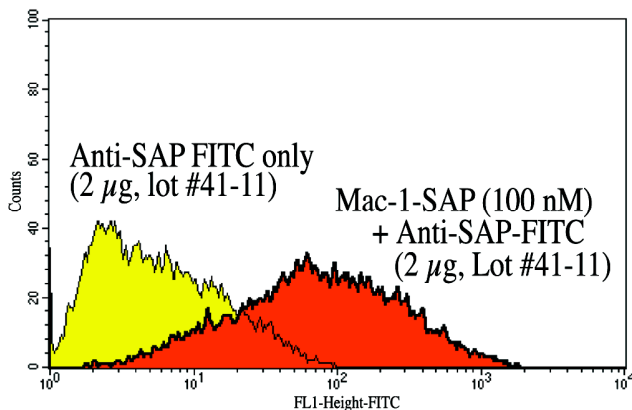
FITC-labeled Anti-SAP can be used to verify binding specificity of a targeted toxin to a cell line expressing the target molecule. By first binding the targeted toxin to fixed cells, then binding FITC-labeled Anti-SAP to the targeted toxin, specificity can be confirmed through the use of competing molecules or a control cell line.

**Specificity and Preparation:**

Saporin was used as the immunogen. The antibody was affinity-purified against saporin attached to a CnBr-Sepharose support column. The affinity-purified polyclonal antiserum was conjugated to 5-iodoacetamidofluorescein using SPDP. The conjugate binds native and recombinant saporin.

**Usage and Storage:**

Applications include flow cytometry.<sup>1</sup> Store at 4°C. DO NOT STORE FROZEN. The material may display diminished activity as a result of repeated freezing and thawing.



NR8383 cells, a rat macrophage cell line, were fixed with ethanol and 4% paraformaldehyde. The cells were then incubated with Mac-1-SAP at 100 nM for one hour at 4°C. Cells were washed, then treated with anti-SAP-FITC for 30 minutes at 4°C. Cells were again washed, then analyzed on a BD FACScan. Data was processed using CellQuest software.

**References:**

1. Gerashchenko D, Kohls MD, Greco M, Waleh NS, Salin-Pascual R, Kilduff TS, Lappi DA, Shiromani PJ (2001) Hypocretin-2-saporin lesions of the lateral hypothalamus produce narcoleptic-like sleep behavior in the rat. *J Neurosci* 21(18):7273-83.